

KW-2450 Formate

Chemical Properties

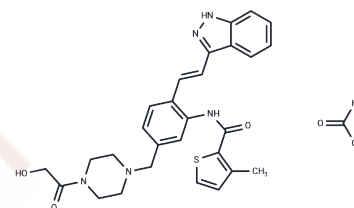
CAS No. :

Formula: C₂₉H₃₁N₅O₅S

Molecular Weight: 561.65

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	KW-2450 Formate is an IGF-1R/IR tyrosine kinase inhibitor with antitumor effects that acts through inhibition of Aurora A and B kinases. KW-2450 Formate inhibits the growth of TNBC xenografts and induces tetraploid accumulation.
Targets(IC50)	Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7805 mL	8.9023 mL	17.8047 mL
5 mM	0.3561 mL	1.7805 mL	3.5609 mL
10 mM	0.178 mL	0.8902 mL	1.7805 mL
50 mM	0.0356 mL	0.178 mL	0.3561 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kai K, et al. Antitumor Activity of KW-2450 against Triple-Negative Breast Cancer by Inhibiting Aurora A and B Kinases. Mol Cancer Ther. 2015 Dec;14(12):2687-99.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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